

What is claimed is:

1. A method for decreasing the time spent searching for color register marks printed on a paper substrate on a printing press, said method comprising:  
acquiring an image of the paper substrate; and  
5 processing the image to determine whether the color register marks are found therein, said processing including using an FPGA.

2. The method of claim 1 wherein said image is acquired by a CCD scanner.

3. The method of claim 1 wherein said paper substrate is a web.

4. The method of claim 1 wherein the register marks are of a size equal to or smaller than 0.010 inch.

5. The method of claim 1 wherein the register marks are diamond shaped.

6. A method for finding color register marks printed on a paper substrate of a printing press as part of a color register control system, said method comprising:  
utilizing register marks having a size of equal to or less than 0.010 inch;

acquiring an image of the paper substrate; and  
analyzing the image for the color register marks using an FPGA  
wherein the printed color register marks are found on the substrate within 5 plate  
25 revolutions.

7. The method of claim 6 wherein the register marks are diamond shaped.

8. The method of claim 6 wherein the register marks are in a pattern.

9. The method of claim 8 wherein said pattern includes four marks of one ink color and one mark of each of three other ink colors.

10. The method of claim 8 wherein said image is acquired by a camera.

11. The method of claim 10 wherein said camera is a CCD camera.

12. The method of claim 6 wherein said paper substrate is a web of paper.

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